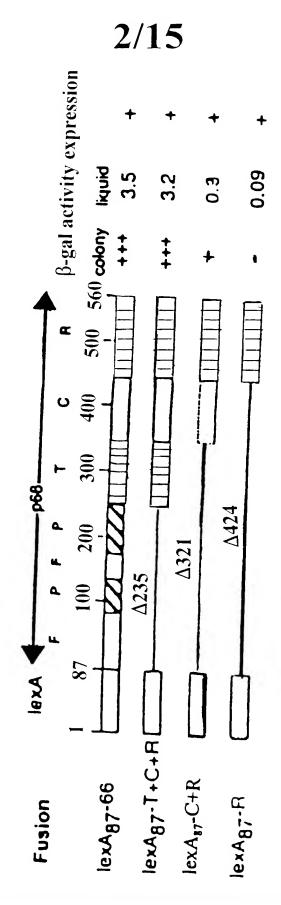
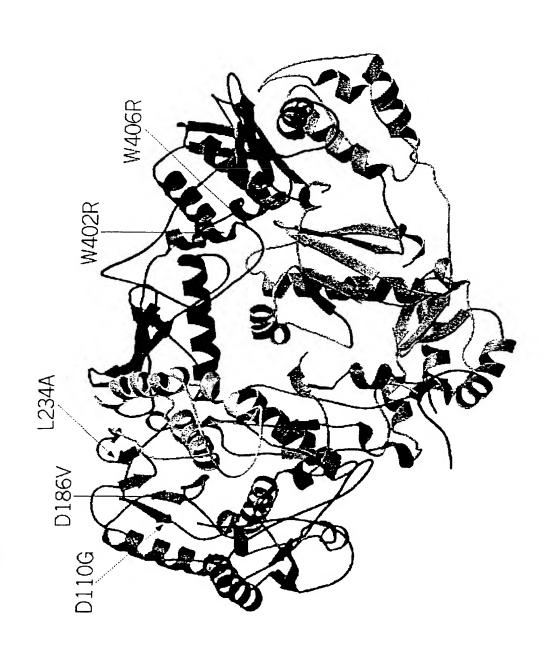
# FIGURE 1

| sast                |                        |            |                             | 1                      | 1/15      |           |                  |  |                        |                         |           |           |              |
|---------------------|------------------------|------------|-----------------------------|------------------------|-----------|-----------|------------------|--|------------------------|-------------------------|-----------|-----------|--------------|
| n in ye             | +                      | -/+        | +                           | +                      | •         | ++        | ++               |  | +<br>+                 | ++                      | Q<br>N    | ++        | ++           |
| Expression in yeast |                        |            |                             | lexA-202               |           | П         | П                |  |                        |                         |           |           |              |
|                     | 9                      | 9          | 2                           |                        | 9         | 5         |                  |  |                        |                         |           |           |              |
|                     | 990                    | 99d        | 99d                         | 990                    | 99d       | 99d       | 99d              |  | D51                    | p51                     | p51       | p51       | p51          |
|                     | lexA-87                | lexA-202   | lexA-202                    |                        | Самво     | GaldAD    | GaldAD (         |  | 16xA-87                | lexA-202                | Gal48D    | Gal4AD    | Саило        |
| Fusion protein      | lexA <sub>87</sub> -66 | 18×A202-66 | lexA <sub>202</sub> -Ala-66 | 66-lexA <sub>202</sub> | Gal4BD-66 | GaHAD-66  | Gal4AD-HA-Ala-66 |  | 18xA <sub>97</sub> -51 | lexA <sub>202</sub> -51 | Gal4BD-51 | Gal4AD-51 | Gal4AD-HA-51 |
| Construct           | p66SH2-1               | p66Lex202  | p56Alal ex202               | p66NLexA               | p66GBT9   | p66GADNOT | p66AlaACTII      |  | p51SH2-1               | p51Lex202               | p51AS2-1  | p51GADNOT | p51ACTII     |

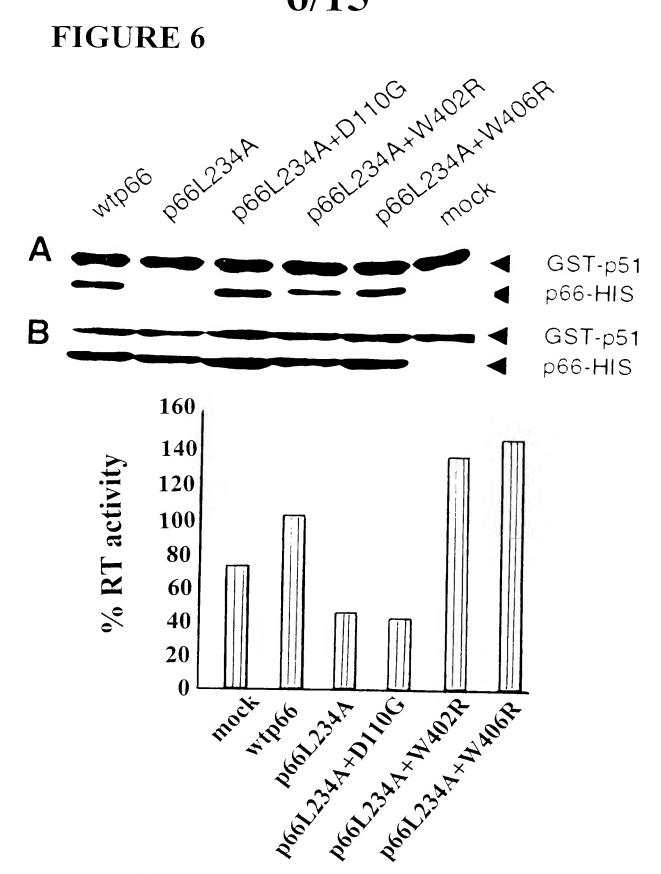
FIGURE 2

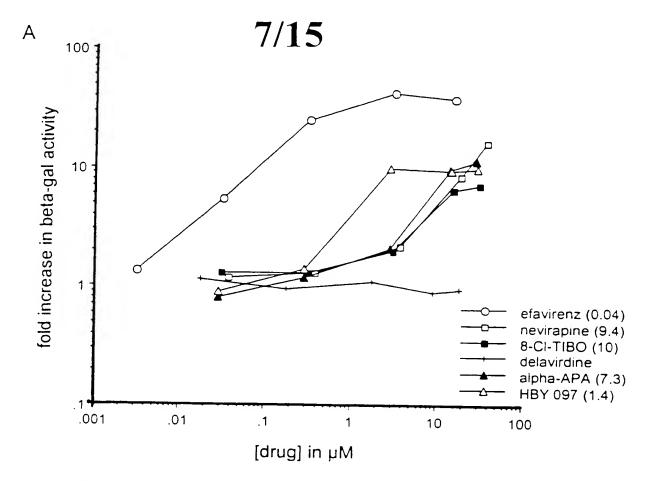


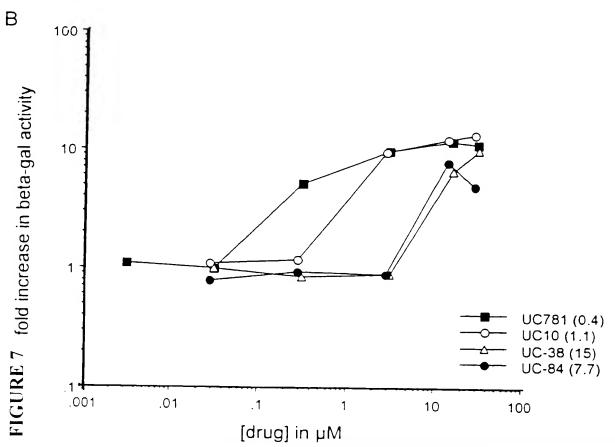
|    |     | Fusion Proteins | beta-gal activity<br>(Miller Units) |  |  |
|----|-----|-----------------|-------------------------------------|--|--|
|    |     | p66wt : p51wt   | 3.2                                 |  |  |
|    |     | p66wt : pAD     | 0.01                                |  |  |
| 5- | *** | p66mut : p51mut | 0.06                                |  |  |
|    |     | p66wt : p51mut  | 1.9                                 |  |  |
|    | ~   | p66mut : p51wt  | 0.1                                 |  |  |

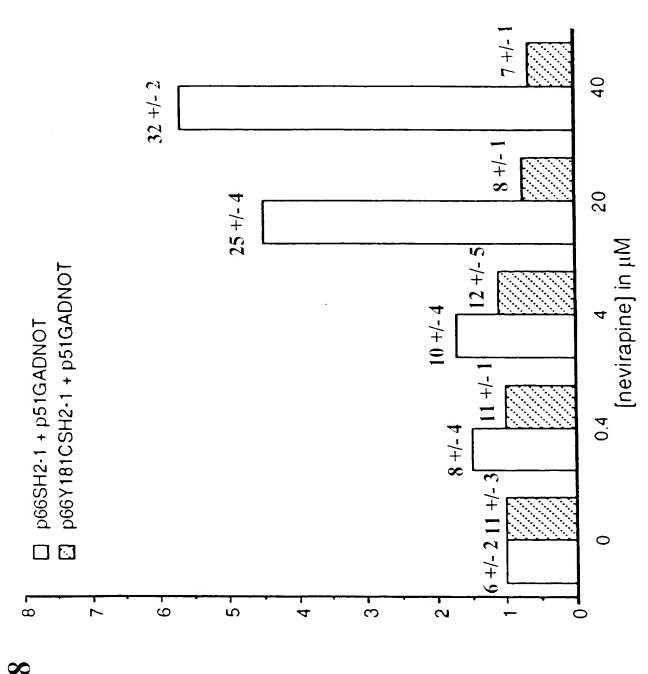


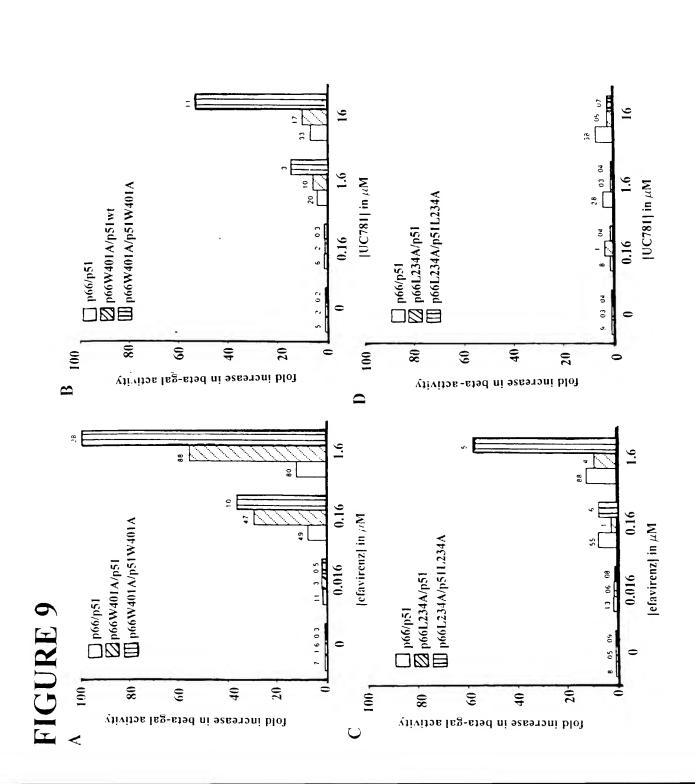
6/15

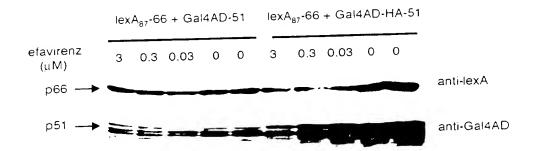






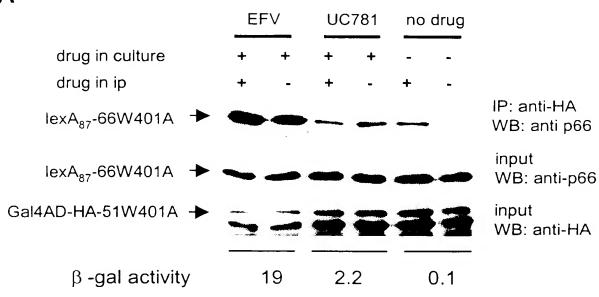






#### FIGURE 11

A



|                               | EF | V  | UC7 | '81<br>— | no c | drug |                             |
|-------------------------------|----|----|-----|----------|------|------|-----------------------------|
| drug in culture               | +  | +  | +   | +        | -    | -    |                             |
| drug in ip                    | +  | -  | +   | -        | +    | -    |                             |
| lexA <sub>87</sub> -66L234A → | -  |    |     |          |      | ••   | IP: anti-HA<br>WB: anti p66 |
| lexA <sub>87</sub> -66L234A → | -  | -  | -   | -        | -    |      | input<br>WB: anti-p66       |
| Gal4AD-HA-51L234A →           | 3  | 3  | =   | =        | =    | 3    | input<br>WB: anti-HA        |
| $\beta$ -gal activity         | 2  | .3 | 0.0 | )7       | 0.   | 03   |                             |

|                                     | V   | vild-ty | /pe      |          | L234A |    |   |   | W401A |    |   |   |                  |
|-------------------------------------|-----|---------|----------|----------|-------|----|---|---|-------|----|---|---|------------------|
| excess of EFV                       | 100 | 10      | 1        | 0        | 100   | 10 | 1 | 0 | 100   | 10 | 1 | 0 |                  |
| GST-p51 <b>&gt;</b> p66 <b>&gt;</b> | =   |         | =        |          | -     | -  | - | - | =     | =  | _ | - | GST-<br>pulldown |
| GST-p51 → p66 →                     |     | 2       | <b>S</b> | <u>-</u> | =     | -  | _ | _ |       | =  | _ | = | input            |

